

**PATENT**  
**6057-49700**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Lewis Claiborne  
Patent Number: 6,828,642  
Issue Date of Patent: 12-07-2004  
Application Number: 09/836,036  
Filing or 371 (c) Date: 04-17-2001  
Title of Invention: DIFFRACTION  
GRATING COUPLED INFRARED  
PHOTODETECTOR

Atty. Dkt. No: 6057-49700

\*\*\*\*\*CERTIFICATE OF MAILING\*\*\*\*\*

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

B. Noël Kivlin

Printed Name

Signature

Date

**TRANSMITTAL OF POWER OF ATTORNEY AND  
NOTICE OF CHANGE OF ADDRESS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Siri:

Please find attached a Power of Attorney with regard to the above-identified patent application. Applicant respectfully requests the Commissioner to change the correspondence address for the above identified patent application. The old correspondence address was:

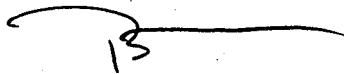
Berkeley Law & Technology Group, LLP  
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The new correspondence address is:

B. Noël Kivlin  
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**Customer ID #35690**

If there are any questions regarding this matter, please contact me at the telephone number provided below.

Respectfully submitted,



B. Noël Kivlin  
Reg. No. 33,929  
ATTORNEY FOR APPLICANTS

Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  
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Date: 10/27/07



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ATTN: GENERAL COUNSEL

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**Assignment: 2****Reel/Frame:** 017325/0960**Recorded:** 03/13/2006**Pages:** 10**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** LOCKHEED MARTIN CORPORATION**Exec Dt:** 12/13/2005**Assignee:** XYLON LLC

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**Assignment: 3****Reel/Frame:** 017696/0517**Recorded:** 03/21/2006**Pages:** 18**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** LOCKHEED MARTIN CORPORATION**Exec Dt:** 12/13/2005**Assignee:** XYLON LLC

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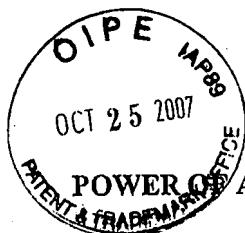
**Correspondent:** BERKELEY LAW & TECHNOLOGY GROUP, LLC

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**POWER OF ATTORNEY; STATEMENT UNDER 37 C.F.R. § 3.73**

Xylon LLC ("Assignee"), a Nevada limited liability company having a place of business at 2215-B Renaissance Drive, Suite 5, Las Vegas, NV 89119, states that it is the assignee of the entire right, title, and interest in and to the patent applications and/or patents identified in the Appendix ("the Patent Properties"). Assignee has attached, for the Patent Properties, the following documentary evidence of the chain of title and/or information specifying where documentary evidence of a chain of title from the original owner to the Assignee is recorded in the assignment records of the USPTO. *See* Appendix.

With respect to the Patent Properties and all provisionals, reissues, reexaminations, divisionals, continuations, continuations-in-part thereof (whether currently filed or not), the Assignee, pursuant to 37 C.F.R. §§ 1.36 and 3.71, hereby revokes all powers of attorney previously given and appoints

the practitioners associated with the **Customer Number 35690**

to act on Assignee's behalf before the United States Patent and Trademark Office. This appointment is effective only so long as these practitioners remain with the firm associated with the Customer Number listed above.

Pursuant to 37 C.F.R. § 3.71, the assignee hereby states that prosecution of the Patent Properties is to be conducted to the exclusion of the inventor(s).

The undersigned is a representative authorized to act on behalf of the assignee.

Assignee

Xylon LLC  
2215-B Renaissance Drive, Suite 5,  
Las Vegas, NV 89119

Dated: 12 October 2007

By: 

Name: Bryan Burpee

Title: Authorized Person

## APPENDIX

### Issued Patents

Patent Number	Title	Issue Date	Recordation Information
5,635,924	TRAVEL ROUTE INFORMATION MONITOR	06/03/1997	Reel/Frame: 007940/0159 Assignors: TRAN, THANH; KHANH GRASSO, BARRY ARTHUR Assignee: LORAL AEROSPACE CORP. Reel/Frame: 015386/0678 Assignor: LORAL AEROSPACE CORP. Assignee: LOCKHEED MARTIN AEROSPACE CORPORATION Reel/Frame: 015386/0682 Assignor: LOCKHEED MARTIN AEROSPACE CORPORATION Assignee: LOCKHEED MARTIN AEROSPACE HOLDINGS, INC. Reel/Frame: 015394/0428 Assignor: LOCKHEED MARTIN AEROSPACE HOLDINGS, INC. Assignee: LOCKHEED MARTIN TACTICAL SYSTEMS, INC. Reel/Frame: 015394/0449 Assignor: LOCKHEED MARTIN TACTICAL SYSTEMS, INC. Assignee: LOCKHEED MARTIN CORPORATION Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC
6,775,067	METHOD AND APPARATUS FOR STRETCHING AN OPTICAL PULSE	08/10/2004	Reel/Frame: 012985/0169 Assignors: WOOD, JAMES R.; MITRA, PRADIP Assignee: LOCKHEED MARTIN CORPORATION Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC

6,295,020	MASTER FREQUENCY GENERATOR	09/25/2001	Reel/Frame: 010477/0595 Assignor: KOECLIN, MICHAEL Assignee: LOCKHEED MARTIN CORPORATION Reel/Frame: 011730/0948 Assignor: KOECLIN, MICHAEL Exec Dt: 08/13/1999 Assignee: LOCKHEED MARTIN CORPORATION Reel/Frame: 013727/0978 Assignor: BAE SYSTEMS INFORMATION & ELECTRONIC SYSTEMS INTEGRATION, INC. Assignee: LOCKHEED MARTIN CORPORATION Reel/Frame: 011739/0571 Assignor: LOCKHEED MARTIN CORPORATION, A MARYLAND, U.S., CORPORATION Assignee: BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., A DELAWARE, U.S. CORP. Reel/Frame: 018481/0285 Assignor: BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC. Assignee: LOCKHEED MARTIN CORPORATION Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC
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6,184,817	MASTER FREQUENCY GENERATOR	02/06/2001 Reel/Frame: 010202/0517 Assignor: KOEHLIN, MICHAEL Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 013727/0978 Assignor: BAE SYSTEMS INFORMATION & ELECTRONIC SYSTEMS INTEGRATION, INC. Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 016902/0008 Assignor: LOCKHEED MARTIN CORPORATION Assignee: BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.  Reel/Frame: 018481/0285 Assignor: BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC. Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC  Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC
6,723,978	FIBER OPTIC CONVERSION SYSTEM AND METHOD	04/20/2004 Reel/Frame: 012426/0354 Assignor: BALDWIN, CARL G. JR. Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC  Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC

5,872,793	FAST BIST ARCHITECTURE WITH FLEXIBLE STANDARD INTERFACE	2/16/1999	<p>Reel/Frame: 017696/0482            Assignors: ATTAWAY, BRETT W.            LOFGREN, JOHN D. KELLEY, H. RAY            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017353/0566            Assignors: BRETT W. ATTAWAY            LOFGREN, JOHN D. KELLEY, H. RAY            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
5,701,308	FAST BIST ARCHITECTURE WITH FLEXIBLE STANDARD INTERFACE	12/23/1997	<p>Reel/Frame: 008286/0498            Assignors: ATTAWAY, BRETT W.            LOFGREN, JOHN D. KELLEY, H. RAY            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
6,828,642	DIFFRACTION GRATING COUPLED INFRARED PHOTODETECTOR	12/07/2004	<p>Reel/Frame: 011727/0550            Assignors: CLAIBORNE, LEWIS T.            MITRA, PRADIP            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>

6,452,187	TWO-COLOR GRATING COUPLED INFRARED PHOTODETECTOR	9/17/2002	<p>Reel/Frame: 011128/0078            Assignors: CLAIBORNE, LEWIS            TAYLOR MITRA, PRADIP            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
6,208,005	DEFECT REDUCTION FOR INTERDIFFUSED MERCURY CADMIUM TELLURIDE BASED INFRARED DETECTOR MATERIALS	3/27/2001	<p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
5,998,235	METHOD OF FABRICATION FOR MERCURY-BASED QUATERNARY ALLOYS OF INFRARED SENSITIVE MATERIALS	12/07/1999	<p>Reel/Frame: 008749/0110            Assignor: MITRA, PRADIP            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
6,180,990	HYPERSPECTRAL RADIATION DETECTOR	01/30/2001	<p>Reel/Frame: 009863/0800            Assignors: CLAIBORNE, LEWIS T.            GORIN, BRIAN ALLEN LEWIS,            HENRY GARTON, JR.            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>

6,157,042	OPTICAL CAVITY ENHANCEMENT INFRARED PHOTODETECTOR	12/05/2000	<p>Reel/Frame: 009577/0233            Assignor: DODD, MARK A.            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
6,144,512	DYNAMIC FILTER STRUCTURES	11/07/2000	<p>Reel/Frame: 004277/0540            Assignor: EDEN, DAYTON D.            Assignee: LTV AEROSPACE AND DEFENSE</p> <p>Reel/Frame: 006389/0010            Assignor: LTV AEROSPACE AND DEFENSE COMPANY            Assignee: LORAL VOUGHT SYSTEMS CORPORATION</p> <p>Reel/Frame: 010858/0420            Assignor: LORAL VOUGHT SYSTEMS CORPORATION            Assignee: LOCKHEED MARTIN VOUGHT SYSTEMS CORPORATION</p> <p>Reel/Frame: 010858/0364            Assignor: LOCKHEED MARTIN TACTICAL SYSTEMS, INC.            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 010858/0393            Assignor: LOCKHEED MARTIN VOUGHT SYSTEMS CORPORATION            Assignee: LOCKHEED MARTIN TACTICAL SYSTEMS, INC.</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>

6,054,718	QUANTUM WELL INFRARED PHOTOCATHODE HAVING NEGATIVE ELECTRON AFFINITY SURFACE	04/25/2000	Reel/Frame: 009104/0824 Assignors: DODD, MARK A. CLAIBORNE, LEWIS T. Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC  Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC
5,773,831	PATCH COUPLED INFRARED PHOTODETECTOR	06/30/1998	Reel/Frame: 008464/0703 Assignor: BROWNS, AUSTIN JOHN Assignee: LOCKHEED MARTIN VOUGHT SYSTEMS CORPORAATION  Reel/Frame: 015386/0500 Assignor: LOCKHEED MARTIN VOUGHT SYSTEMS CORPORATION Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 015394/0449 Assignor: LOCKHEED MARTIN TACTICAL SYSTEMS, INC. Assignee: LOCKHEED MARTIN CORPORATION  Reel/Frame: 017325/0960 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC  Reel/Frame: 017696/0517 Assignor: LOCKHEED MARTIN CORPORATION Assignee: XYLON LLC

5,580,795	FABRICATION METHOD FOR INTEGRATED STRUCTURE SUCH AS PHOTOCONDUCTIVE IMPEDANCE-MATCHED INFRARED DETECTOR WITH HETEROJUNCTION BLOCKING CONTACTS	12/03/1996	<p>Reel/Frame: 015460/0321            Assignors: LORAL VOUGHT SYSTEMS CORPORATION LORAL VOUGHT SYSTEMS CORPORATION            Assignee: LOCKHEED MARTIN VOUGHT SYSTEMS CORPORATION</p> <p>Reel/Frame: 015460/0151            Assignor: LOCKHEED MARTIN VOUGHT SYSTEMS CORPORATION            Assignee: LOCKHEED MARTIN TACTICAL SYSTEMS, INC.</p> <p>Reel/Frame: 015460/0157            Assignor: LOCKHEED MARTIN TACTICAL SYSTEMS, INC.            Assignee: LOCKHEED MARTIN CORPORATION</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN CORPORATION            Assignee: XYLON LLC</p>
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4,970,403	FOCAL ARRAY REIMAGING SYSTEM	11/13/1990	<p>Reel/Frame: 004970/0358            Assignor: KRASUTSKY, NICHOLAS J.            Assignee: LTV AEROSPACE AND            DEFENSE COMPANY, DALLAS,            TEXAS A CORP. OF DE</p> <p>Reel/Frame: 004978/0358            Assignor: KRASUTSKY, NICHOLAS J.            Assignee: LTV AEROSPACE AND            DEFENSE COMPANY, DALLAS,            TEXAS, A CORP. OF DE.</p> <p>Reel/Frame: 016902/0830            Assignor: KRASUTSKY, DR.            NICHOLAS J            Assignee: LTV AEROSPACE AND            DEFENSE COMPANY</p> <p>Reel/Frame: 006388/0619            Assignor: LTV AEROSPACE AND            DEFENSE COMPANY            Assignee: LORAL VOUGHT SYSTEMS            CORPORATION</p> <p>Reel/Frame: 009605/0040            Assignor: LORAL VOUGHT SYSTEMS            CORPORATIONS            Assignee: LOCKHEED MARTIN            VOUGHT SYSTEMS CORPORATION</p> <p>Reel/Frame: 010710/0059            Assignor: LOCKHEED MARTIN            VOUGHT SYSTEMS CORP.            Assignee: LOCKHEED MARTIN CORP.</p> <p>Reel/Frame: 017325/0960            Assignor: LOCKHEED MARTIN            CORPORATION            Assignee: XYLON LLC</p> <p>Reel/Frame: 017696/0517            Assignor: LOCKHEED MARTIN            CORPORATION            Assignee: XYLON LLC</p>
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